

by the shifter. Different storage rates are charged by the garage as follows:

	Per Month.
Five and four ton vehicles.....	\$60
Three and two ton vehicles.....	55
Three thousand pound vehicles.....	50
Two thousand pound vehicles.....	50
One thousand pound or smaller vehicles..	45
Forty passenger sightseeing vehicles.....	85
Twenty-four passenger sightseeing vehicles.	75

Daily rates, \$1.50 and cost of charging current.

The above rates include the washing, cleaning and lubrication of the vehicle, a bi-weekly mechanical inspection of the vehicle and nightly charging and inspection of the batteries, which are equalized every forty-eight hours. The drivers are furnished with printed forms upon which to report to the garage all repairs and adjustments which they desire on their vehicle, in addition to a map of Manhattan Island showing all points, such as garages and power stations, where vehicle batteries may be charged. On the other side of this map there is a list of charging stations in the vicinity of New York city. During the day four men are employed at the garage in the following capacities: Foreman mechanic, assistant mechanic and shifter, two porters who keep the place clean and help the mechanics when necessary. At night the force comprises eight men, a foreman mechanic, two assistant mechanics, two washers, two porters and a shifter. The polishing of the bright parts of the car is done by the drivers.

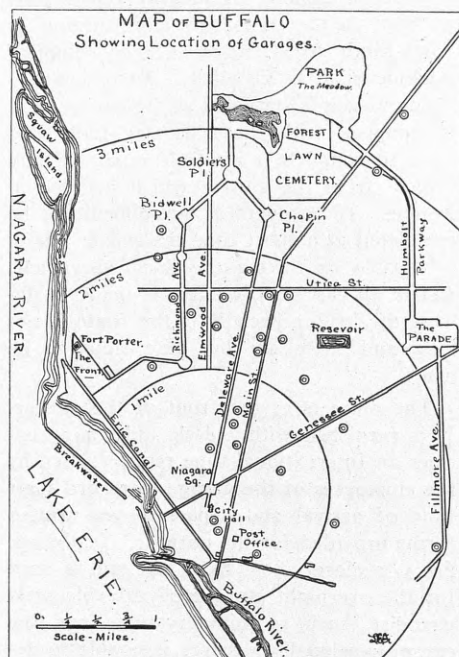
The policy pursued by this garage in the treatment of its patrons and in its co-operation with vehicle builders seems worthy of being adopted generally. The patrons are taken into the confidence of the garage and are requested to suggest means for the improvement of the service rendered, or for the reduction of cost of maintenance of their vehicles. The instructions furnished by vehicle manufacturers are strictly adhered to, and in some cases the benefit of the long experience of the garage in caring for electric vehicles is offered to the builders.

The Garage Situation in Buffalo, N. Y.

The proper location for a garage has been the subject of quite a little discussion, and in this connection it is interesting to note the location of some of the existing garages in the city of Buffalo. Most of these are located in the residential sections, the average distance from the business centre being one and three-tenths miles.

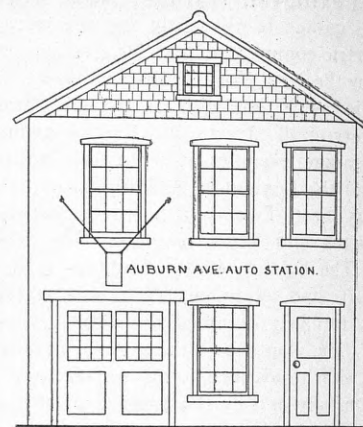
Buffalo is one of the oldest automobile cities in the country, since the surrounding roads are level and in good condition, which gives a decided stimulus to trade. When the automobiles first began to appear it was not thought advisable to build especial garages, and a number of livery stables were reconstructed to serve the purpose. While a number of new garages have been built the old ones seem to be still doing business.

Very few of the Buffalo garages have elaborate machine shop equipments, the outfit usually consisting of a bench and hand tools. In some cases a lathe, drill press and grinder are also to be found. The absence of machine equipment is accounted for by the fact that Buffalo has a large



number of shops equipped especially for this purpose, and the garages find it cheaper to get their machine work done outside than to pay the interest on an investment which lies idle part of the time. For the same reason very few supplies are carried in stock, because it is possible to get almost anything in the line of tires, accessories, etc., in a few minutes by telephoning down to have them sent out.

Systems for checking gasoline and oil sales seem to be in most cases rather crude, and in some instances lacking altogether. The use of the self recording Bowser pump,



FRONT ELEVATION OF AUBURN AVENUE AUTO STATION.

with outside underground tank is, however, practically universal.

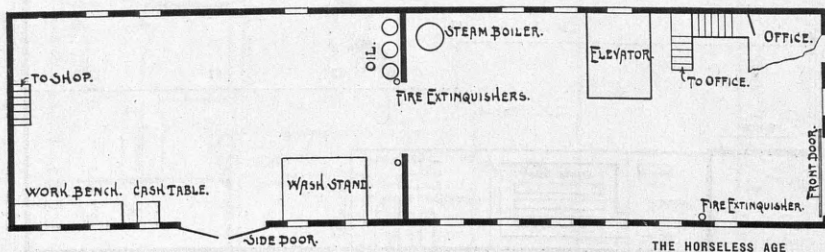
The only fire precautions are in most cases one or two hand extinguishers, and in other instances nothing is provided. The heating of the garage by means of an open stove on the main floor is quite common.

As there are two large garages in Buffalo especially for electric vehicles, the other garages provide no facilities for charging. The charging of ignition batteries is also done outside.

Auburn Avenue Auto Station, Buffalo.

The Auburn Avenue Automobile Station is situated at 419 Auburn avenue in a residential section of Buffalo, about 2 miles from the business centre. The frontage is rather small, but the garage has a considerable depth. The only display used on this building is an illuminated sign standing at right angles to the front. The office is located on the second floor at the front.

The building is of brick, although considerable lumber is used in the construction. The upper portion below the roof is shingled, as shown in the front elevation. The light is obtained from a large number of windows, mainly on the left side, as the building is close to another structure on the other side. Steam heating is used, the boiler for this purpose being placed in one corner on the ground floor. Three fire extinguishers are placed on the walls in convenient locations, and no other fire precautions are used. The gasoline is stored in an underground tank outside the building, and is drawn by means of a Bowser pump, to



GROUND PLAN OF AUBURN AVENUE, BUFFALO, AUTO STATION.

GASOLINE AND OIL SALES SLIP.

Name

Date

Gasoline

Cylinder Oil.....

(Twelve blank lines.)

(ACTUAL SIZE 4X5½ INCHES HIGH.)

PAID OUT.

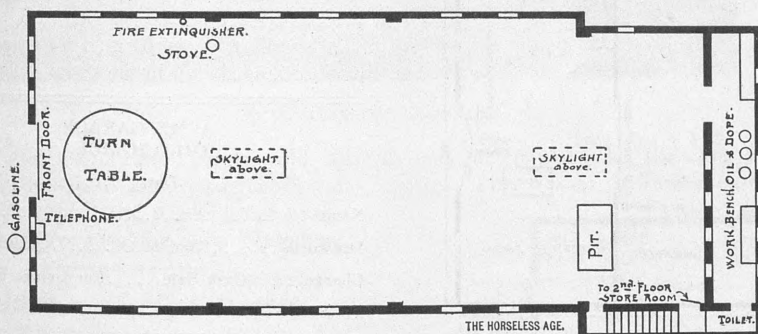
Clerk.....190..

Paid for.....

Received of.....the above amount.

RECEIPT BLANK. (ACTUAL SIZE $3\frac{1}{2} \times 2\frac{3}{8}$ INCHES HIGH.)

which a self registering device is attached. Gasoline and oil sales are recorded on the printed slips shown. The oil is kept in three 60 gallon tanks at the middle of the garage. The shop and paint rooms are located on the second floor at the back. No machine tools are used, as this work is done outside, but a good equipment of hand



GROUND PLAN OF NORWOOD GARAGE.

tools enables the patrons to obtain the ordinary adjustments and repairs. Machines are conveyed to the second floor by means of a hand elevator located in the forward part of the building.

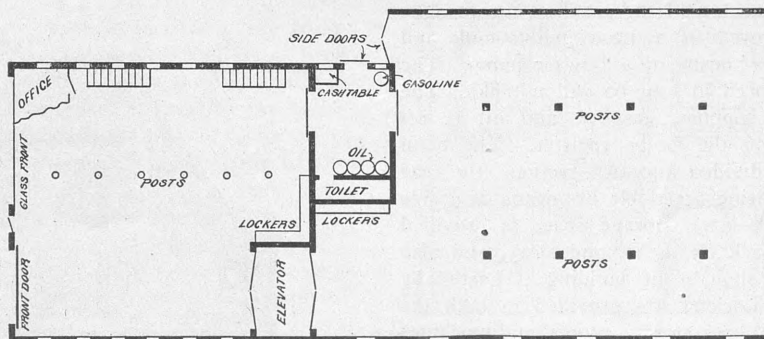
The Norwood Garage, Buffalo.

The Norwood Garage is situated at 121 Norwood avenue, about $1\frac{1}{2}$ miles from the business centre in a residential section.

The garage is not visible from the street, as it is placed behind a dwelling house in such a way that it is entirely unnoticeable. A cement driveway gives access from the main street. The owner of the garage lives in the building which is directly in front of it, and the office is located in the rear of this building in such a way that all machines passing in or out of the garage can be easily seen from the office.

The building is of brick, and only one

story in height at the front, although at the back there is a small second story, which is used as a storeroom. The building is well lighted by a large number of windows placed on each side, and also by two skylights. Just inside the front door a turntable is located, so as to be able to conveniently handle the machines. The heating is by means of a coal stove placed on the ground floor. Only one fire extinguisher



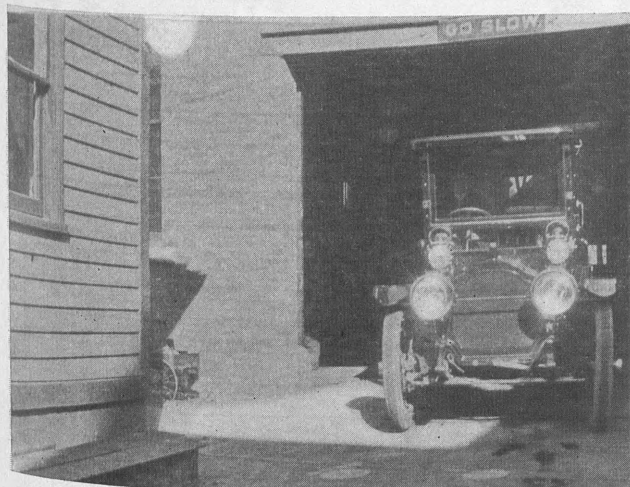
GROUND PLAN OF STANDARD GARAGE.

is used, which is placed on the wall near the stove.

The gasoline is stored in an underground tank in front of the building, and is drawn by means of a self-recording Bowser pump. This pump is kept locked to prevent the unauthorized use of gasoline. A solid brick partition is run across the rear of the building, forming a narrow shop, which is equipped with a few hand tools. The oil is stored in this part of the building in three 60 gallon tanks. The polish bench is also located in the same corridor. A large sized air bottle, about 5 feet in height and placed on wheels, is used for inflating tires. It is claimed to hold sufficient air to last about a month.

The Standard Garage, Buffalo.

The Standard Garage Company is located at 1116 Main street, about three-fourths of a mile from the business centre. This garage was built for the purpose, in contrast to many of the Buffalo garages. The floor space is quite large, and the garage has a capacity of at least 100 machines. The entire front of the building is glass, the main door being at the extreme right. The office is located at the front of the building on the second floor and is well fitted up. A chauffeurs' room is also provided at the front near the office. A small stockroom is located on the second floor, although very few supplies are carried in any of the Buffalo garages. A special room



NORWOOD GARAGE, BUFFALO, N. Y. (OFFICE TO THE LEFT).

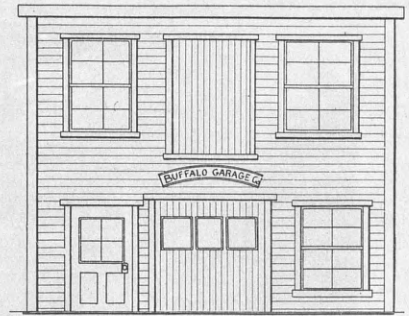
THE STANDARD GARAGE, BUFFALO.
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building, the other outside, the latter being used only in summer. Bowser pumps with automatic recording attachments are used for measuring gasoline. In order to keep track of individual accounts form slips are used, as shown. Separate slips are used for oil and gasoline. Lockers are placed in a separate room, this being partitioned off from the main floor, as shown in the ground plan. No machine tools are used in this garage, as it is possible to get machine work done very quickly outside. A bench is

the boiler being placed on the main floor and the coal under the stairs at the front. A small workbench is provided at the back of the ground floor. The gasoline is stored in a 300 gallon tank in front of the building, covered by a small shed. The oil is placed in a single tank at the side of the back floor.

The Auto Club Garage, Buffalo.

The Auto Club Garage is situated at 451 Vermont street in a residential section of



FRONT ELEVATION OF BUFFALO GARAGE.



ACME GARAGE, BUFFALO.

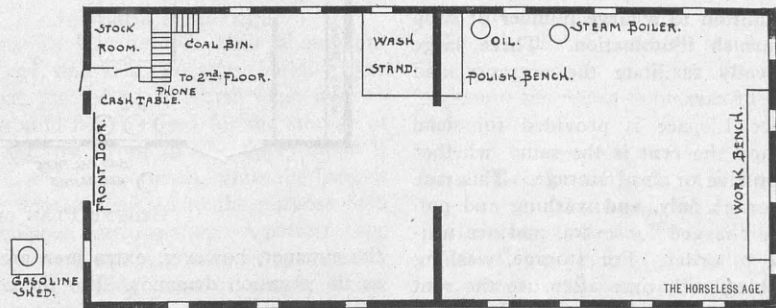
provided for useful hand tools, and all forms of adjustment and repair work can be handled without the necessity of carrying an expensive machine shop equipment.

The Buffalo Garage, Buffalo.

The Buffalo Garage Company is located at 414 West Ferry street, in a residential section of the city, and about 2 miles from the business centre. This is one of the oldest garages in Buffalo, and was formerly used as a livery stable. The building is set back from the main street about 100 feet. No office is provided, the telephone and cash table being placed just inside the main entrance next to the stock room. The building is lighted by a large number of windows on all sides, and is heated by steam,

the city, about $2\frac{1}{4}$ miles from the business centre. This garage is rather unusual in

left side of the building; the door at the right side to the right hand apartment, both on the second floor. The office is formed by a light board partition at the front of the building, just at the left of the main entrance. A row of lockers is placed along the back wall of the office on the garage side. The building is of brick, with only a small amount of wood used in the construction. The floors are concrete. The garage is well lighted by windows on both sides, and at the front and back. A board partition at the back of the main floor forms a small shop in which nothing but hand tools are used. The gasoline is stored in a 300 gallon tank placed outside the building and accessible from the back door. It is drawn by means of a self recording Bowser pump. The oil is stored in three



GROUND PLAN OF BUFFALO GARAGE.

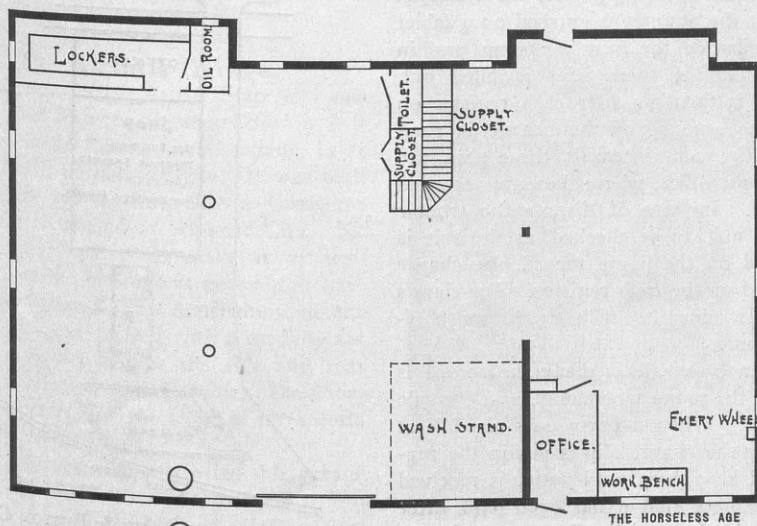
one respect, and that is that the second story is used as an apartment house. The door at the left leads to the apartment at the

60 gallon tanks just inside the rear door. The building is heated by steam.

Ithaca, N. Y., Garages.

Ithaca, N. Y., with a population of about 25,000 people, boasts of two garages. That of Lang & Button, which was built last year, is of fireproof construction, while the other is the larger and has a good shop equipment. A description of the former may prove of interest.

The garage is located a couple of blocks from the centre of the town in the business district, and the same distance from the New Ithaca Hotel. Lang & Button, the proprietors of the garage, have the agency for the Oldsmobile and Buick, but they have no special showrooms, which are not necessary in a small city. The offices are located in the front of the main shop S, with entrances on the street, as shown in the accompanying plan. Arrangements are now being made to enlarge these offices, and also to add a visitors' or waiting room. The



GROUND PLAN OF ACME GARAGE, BUFFALO.